

# Converting Colors

Hex(33CDAA)

Have a look what the booklet for  
Hex(33CDAA) contains.

<b>Hex(33CDAA)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Hex(33CDAA)**

# Conversions

## Conversions Part 1

Format	Color
Hex	33CDAA
RGB	51, 205, 170
RGB Percent	20%, 80%, 67%
CMY	0.8000, 0.1961, 0.3333
CMYK	0.75, 0.00, 0.17, 0.20
HSL	166°, 61%, 50%
HSV	166°, 75%, 80%
XYZ	30.4523, 47.2687, 45.5490
YIQ	154.9640, -80.5490, -43.5330

# Conversions

## Conversions Part 2

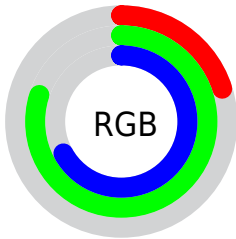
Format	Color
<a href="#">RYB</a>	<a href="#">51, 138, 205</a>
Decimal	<a href="#">3394986</a>
CIELab	<a href="#">74.36, -47.35, 6.22</a>
CIELCh	<a href="#">74, 47.760, 172.521</a>
Yxy	<a href="#">47.2687, 0.2470, 0.3835</a>
Android (android.graphics.Color)	<a href="#">4281585066 (0xFF33CDAA)</a>
YUV	<a href="#">154.9640, 7.4127, -91.1764</a>
Hunter-Lab	<a href="#">68.7523, -41.2539, 8.8464</a>

# Details

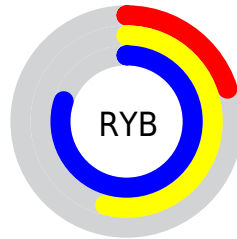
The Hex color **33CDAA** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **CD3356**, and the grayscale version is **9B9B9B**.

A 20% lighter version of the original color is **79FFE1**, and **009676** is the 20% darker color. If you saturate the color by 10%, you get **1ECDA5**, and if you desaturate by 10%, it is **47CDAF**.

# Distribution



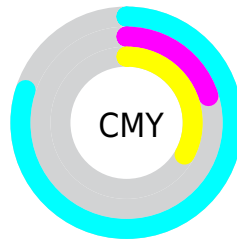
- Red (20%)
- Green (80%)
- Blue (67%)



- Red (20%)
- Yellow (54%)
- Blue (80%)



- Cyan (75%)
- Magenta (0%)
- Yellow (17%)
- Black (20%)



- Cyan (80%)
- Magenta (20%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 33CDAA changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Hex color 33CDAA by changing the saturation by 10% instead.



 33CDAA

 33CDAA

FFFFFF

 00B190

 79FFE1

 009676

 97FFFE

 007B5D

 B6FFFF

 006146

 D4FFFF

 00482F

 F3FFFF

 00311B

 001800

 000000

 33CDAA

 33CDAA

 1ECDA5

 47CDAF

 0ACDA1

 5CCDB3

 00CD9E

 70CDB8

 85CDBD

 99CDC1

 AECDC6

 C3CDCB

 D7CDCF

 EBCDD4

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



7DC880



33CDAA



00CDD7

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



33CDAA



AAB0FF



FBA173

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



33CDAA



CD3356

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



FF9598



33CDAA



E39FED

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



33CDAA



55BFFF



FF94C4



DCB15F

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



33CDAA



00CBF1



FF94C4



FF9C7E

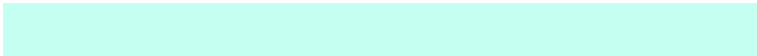


# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



33CDA4



C4FFF2



57CD33



5C8077



000000



808080



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33CDA4



19FFCB



33A4CD



5C6664



00A680



00261E



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



CD3356



FF194E



CD5C33



665C5E



A60026

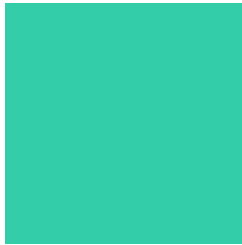


260009



# Previews

## White Background



This preview shows how the Hex color 33CDAA looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color 33CDAA looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

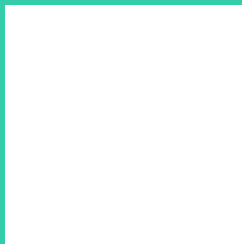
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 33CDAA Background



This preview shows how black text looks on a background with the Hex color 33CDAA.

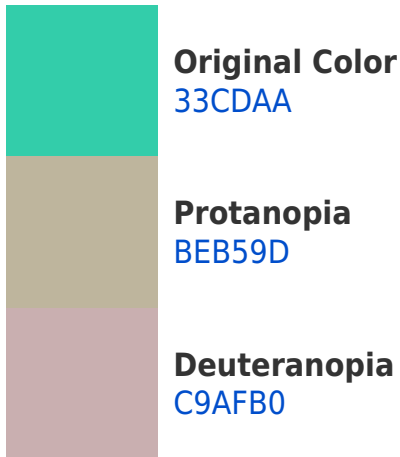


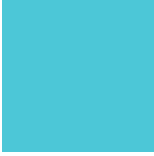
This preview shows how white text looks on a background with the Hex color 33CDAA.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy





**Tritanopia**  
4CC7D7

# Trichromacy



**Original Color**  
33CDAA



**Protanomaly**  
8BBEA2



**Deuteranomaly**  
92BAAE



**Tritanomaly**  
43C9C7

# Monochromacy



**Original Color**  
33CDAA



**Achromatopsia**  
9B9B9B



**Achromatomaly**  
75ADA0

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 33CDAA is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color #33CDAA looks like.

```
.text, #text, p{  
    color:#33CDAA  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel #33CDAA colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #33CDAA
}
```

## Border

The CSS property to change the border of an element to Hex 33CDAA is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#33CDAA }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:#33CDAA }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel #33CDAA colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #33CDAA; -webkit-box-shadow:4px 4px  
4px 4px #33CDAA; box-shadow:4px 4px 4px  
4px #33CDAA }
```

# Background

The CSS property to change the background color of an element to Hex 33CDAA is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#33CDAA }
```

If only the background color should be changed can be used:

```
.background{ background-color:#33CDAA }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor